

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. Canceled.

2. Canceled.

3. (previously presented) A method for automated error recovery of a storage controller Licensed Internal Code ("LIC") update process, comprising the steps of:

running an automated LIC dispatcher process that retrieves a state action from a state action table and executes said state action;

determining if said state action has executed with at least one error;

in response to determining that said state action has executed with at least one error, entering an error recovery procedure;

determining if an error recovery count for a current state action is less than a maximum error recovery count;

in response to determining that an error recovery count for a current state action is less than a maximum error recovery count, incrementing said error recovery count, otherwise exiting said error recovery procedure with a failed status;

determining if an error recovery is possible;

in response to determining that an error recovery is possible, executing at least one error recovery action, otherwise exiting said error recovery procedure with said failed status;

determining if said at least one error recovery action was successful;

in response to determining that said at least one error recovery action was successful,

determining a recovery passed state action, and exiting said error recovery procedure with a passed status, otherwise exiting said error recovery procedure with said failed status;

in response to determining that said state action has not executed with at least one error, retrieving a next state action;

determining if said next state is a last state action;

in response to determining that said next state action is not a last state action, returning to said executing step; and

in response to determining that said next state action is a last state action, ending said storage controller LIC update process.

4. (previously presented) The method of claim 3, further comprising the step of retrieving said error recovery action from a state action table.

5. Canceled.

6. (previously presented) The method of claim 3, further comprising the steps of:
in response to exiting said automated error recovery process with a failed status:
suspending storage controller operation;
requesting repair of said storage controller;
after repair of said storage controller, reentering said update process at a reEntry state action obtained from a state action table.

7. (previously presented) The method of claim 6, wherein the requesting step further comprises the steps of:

automatically contacting a customer engineer; and

sending diagnostic, location, and customer information to said customer engineer.

8. Canceled.
9. Canceled.
10. Canceled.
11. Canceled.
12. Canceled.
13. Canceled.
14. Canceled.
15. Canceled.
16. Canceled.
17. Canceled.
18. Canceled.
19. Canceled.

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